TOSHIBA

Leading Innovation

MK1649GSY

2.5-inch Hard Disc Drive

Toshiba's new family of high performance drives delivers speeds of 7200rpm – the company's fastest HDD to date. The MK1649GSY has a much higher capacity combined with 33% performance improvement over its predecessor. The MK1649GSY also has the advantages of 300G of operating shock and 1000G of non-operating shock.

The 160GB drive has been developed for high performance notebooks and desktop PCs but is also ideally suited for the burgeoning video-based consumer electronic applications such as Personal Video Recorders, IPTV set-top boxes and other recording systems. In these applications, MK1649GSY's 16MB buffer memory and high speed spindle will ensure optimum performance during data intensive workloads such as video dropping.

Features MK1649GSY

Data Storage Capacity:	
Per drive, Formatted	160 GB
Number of Platters	2
Number of Heads	4
Bytes/ Sector	512
Rotational Speed (rpm)	7200
Average Seek Time:	msec
Track-to-Track	1
Average (Read/ Write)	10.5/12
Maximum	18
Interface:	
Type	SATA 2.6/ ATA- 8
Buffer (MB)	16
Data Transfer Rate:	Max. 300MB/sec
Nominal Power Requirements:	
Voltage (V); Supply	+5V (5%)
Sleep (Watts)	0.13
Standby (Watts)	0.16
Read (Watts)	2.2
Write (Watts)	2.2
Start-up (Watts)	5.5

Physical & Environmental Specifications Dimensions –mm:	
Height	9.5
Width	69,85
Depth	100
Weight	114 g
Ambient Temperature °C :	
Operating	5°~55°
Non-Operating	-40°~60°
Vibration and Shock:	
Operating Vibration	1.0 G with 5-500Hz
Operating Shock	300 G 2 msec
Non-Operating	900 G 1msec
Acoustic Noise (Random Seek)	28 dBA
Reliability Characteristics:	
MTTF	600,000 hours

Applications:

- Notebook systems
- External storage
- Small Form Factor PCs
- Personal Video Recorder
- IPTV set-top boxes

Specifications are subject to change without notice.

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